

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104784.D
 Acq On : 25 Apr 2018 13:11
 Operator : JU/SJ
 Sample : J2511-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

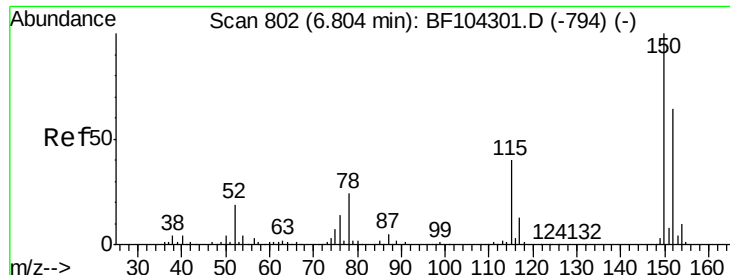
Quant Time: Apr 25 14:07:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105405	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	438635	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	205229	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	377535	20.00	ng	0.00
75) Chrysene-d12	13.98	240	229449	20.00	ng	0.00
86) Perylene-d12	15.44	264	218295	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	710263	103.03	ng	0.00
7) Phenol-d6	6.45	99	869739	102.69	ng	0.00
23) Nitrobenzene-d5	7.37	82	537492	80.01	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	222113	104.33	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	857410	66.00	ng	0.00
78) Terphenyl-d14	12.92	244	807882	80.27	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	1432	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	72217	13.048	ng	# 70
25) Isophorone	7.37	82	537484	37.838	ng	# 64
49) Dimethylphthalate	9.55	163	89644	5.539	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	25642	8.563	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	25642	6.528	ng	# 23
59) Diethylphthalate	10.25	149	43504	2.699	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.63	198	471	7.564	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13193	3.285	ng	# 1
76) Benzidine	12.92	184	10699	Below Cal		# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

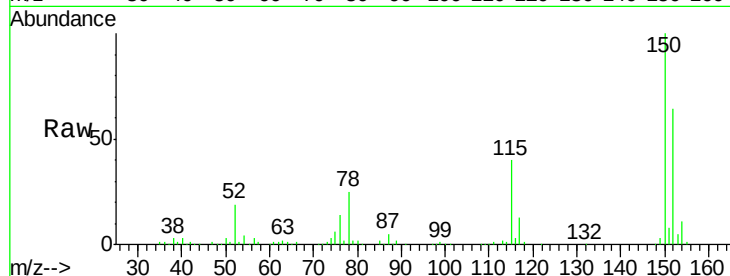


#1

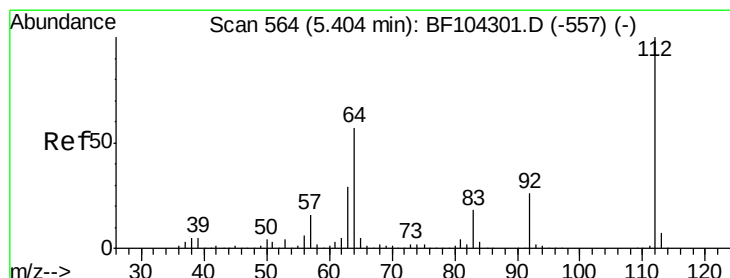
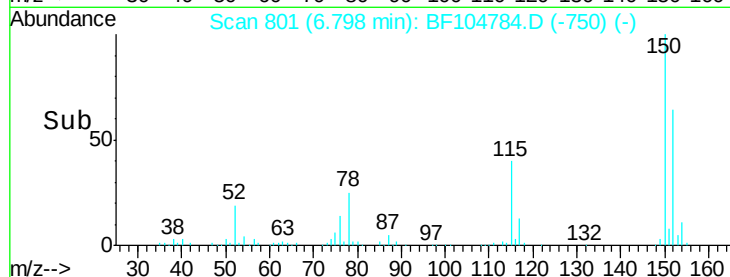
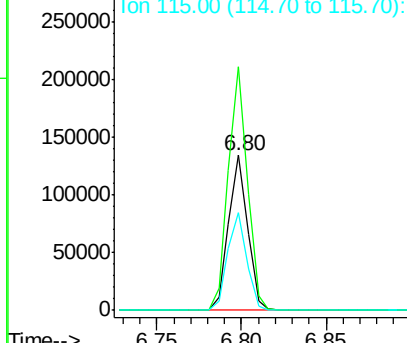
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104784.D
Acq: 25 Apr 2018 13:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105405
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 63.3 50.1 75.1



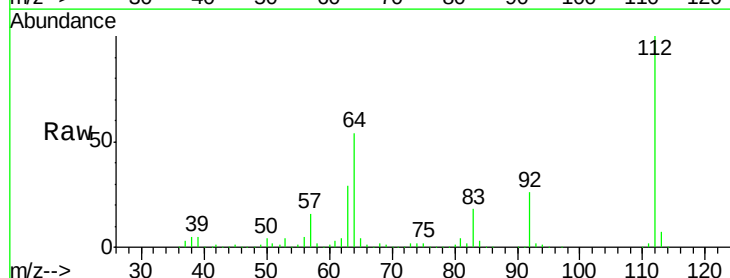
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



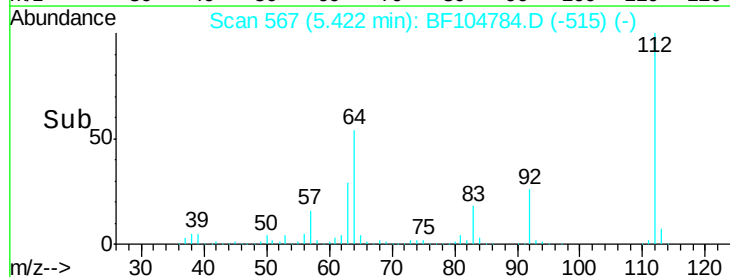
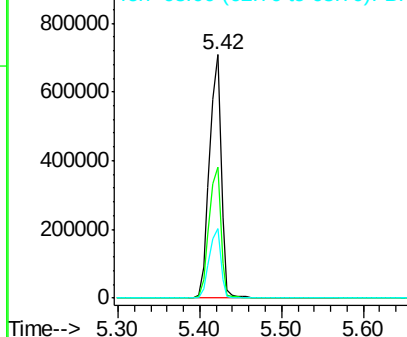
#5

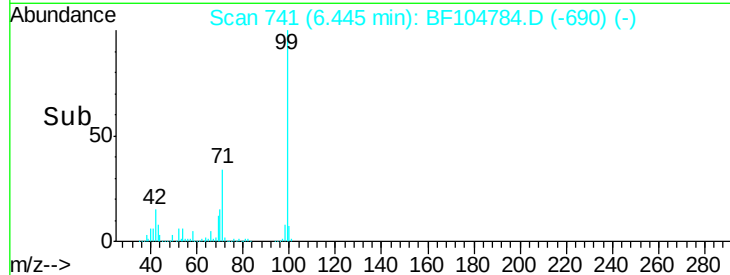
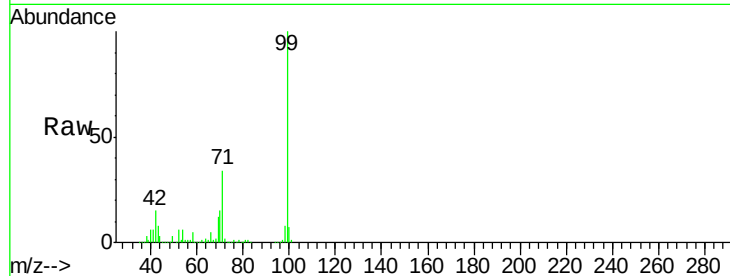
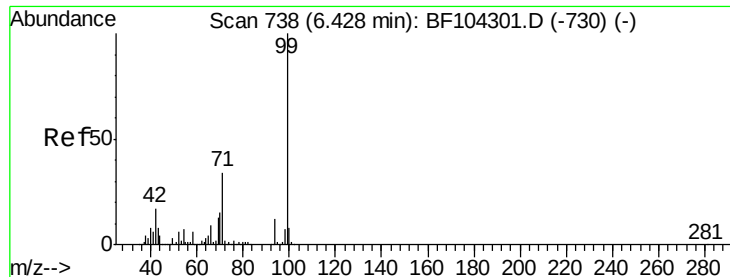
2-Fluorophenol
Concen: 103.034 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104784.D
Acq: 25 Apr 2018 13:11

Tgt Ion:112 Resp: 710263
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 28.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.687 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

Instrument :

BNA_F

ClientSampleId :

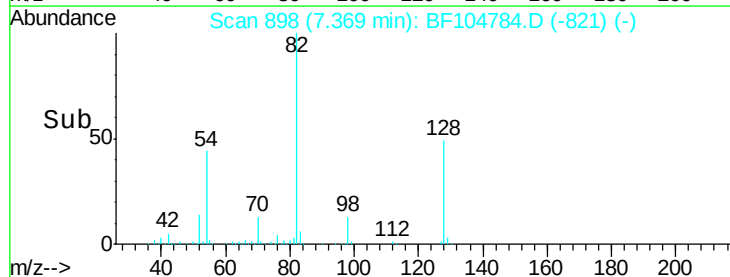
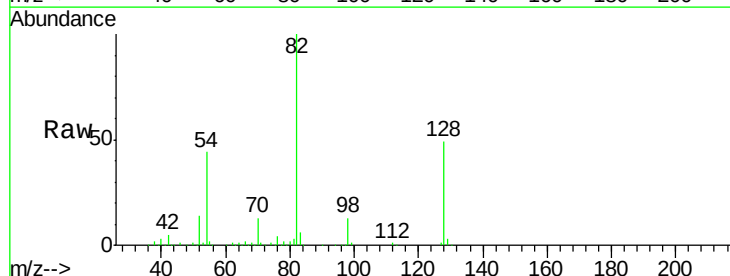
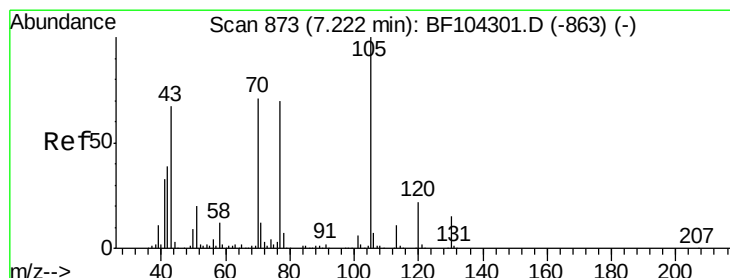
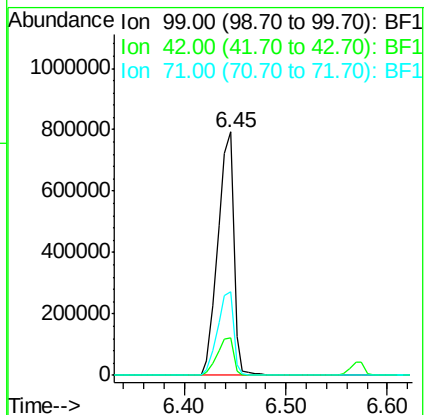
Tot Ion: 99 Resp: 869739

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 34.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.048 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

Tgt Ion: 70 Resp: 72217

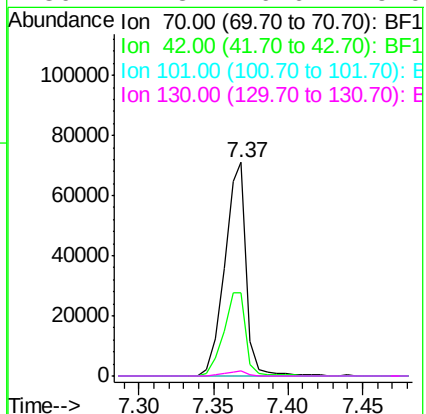
Ion Ratio Lower Upper

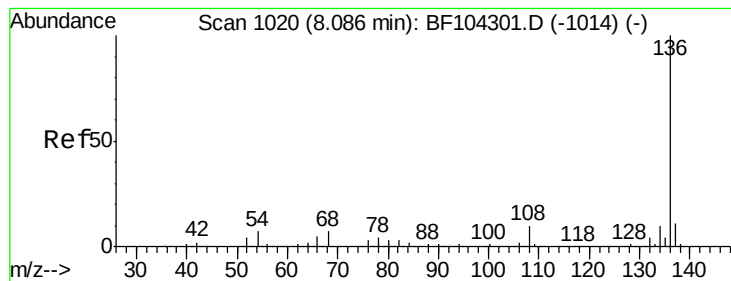
70 100

42 38.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 438635

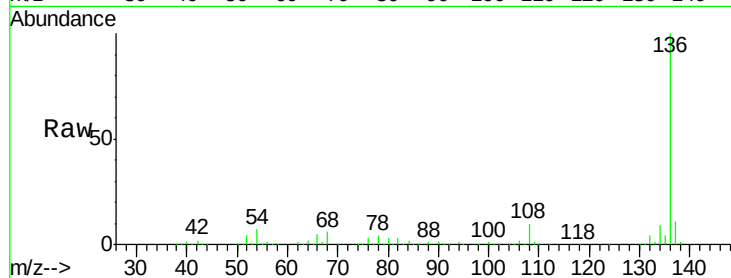
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 6.6 9.8

68 5.5 5.0 7.4

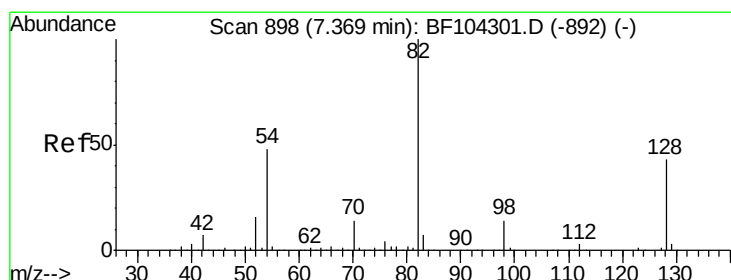
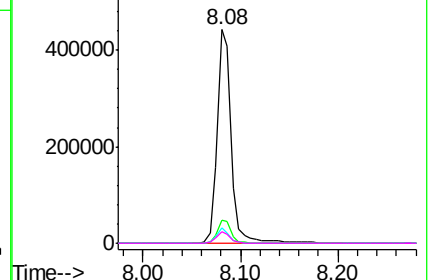
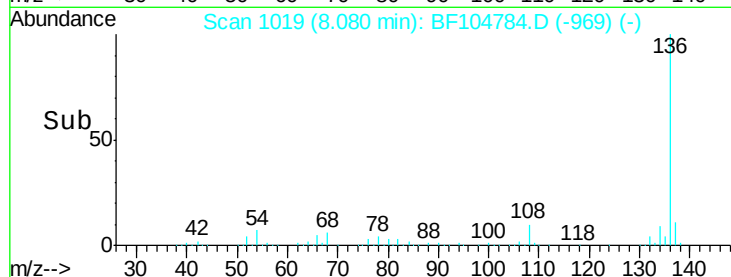


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 80.015 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

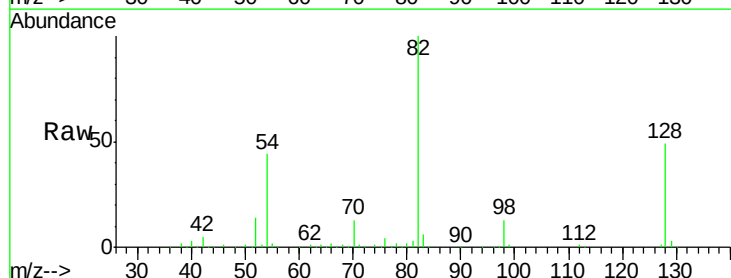
Tgt Ion: 82 Resp: 537492

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

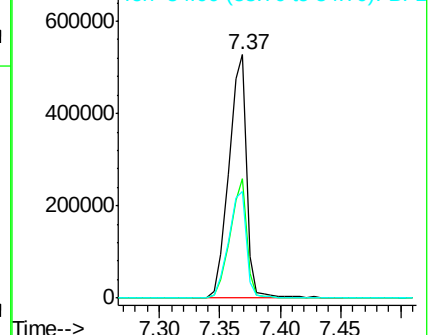
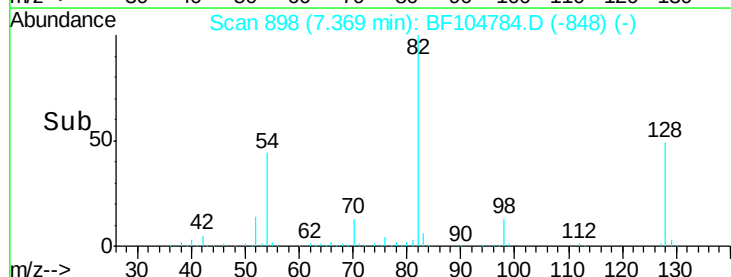
54 44.0 41.4 62.2

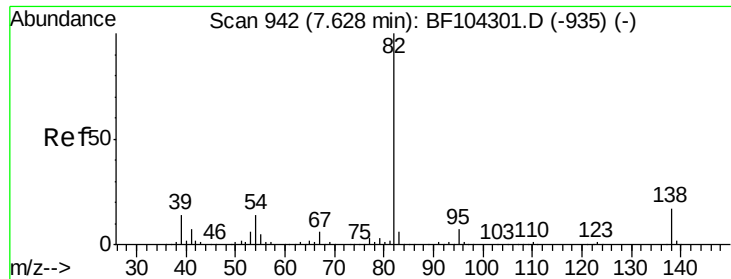


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.838 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

Instrument :

BNA_F

ClientSampleId :

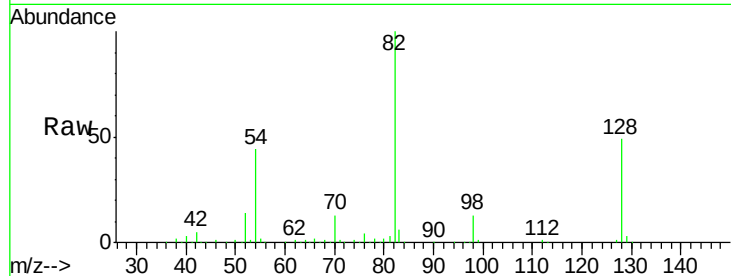
Tot Ion: 82 Resp: 537484

Ion Ratio Lower Upper

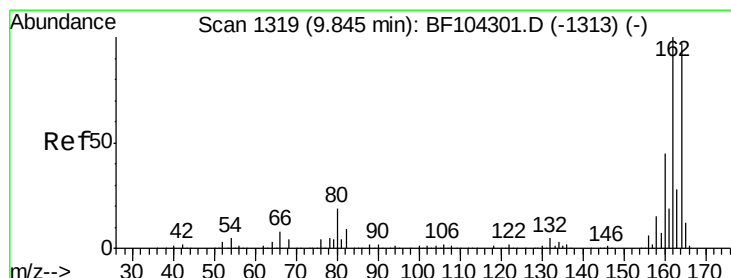
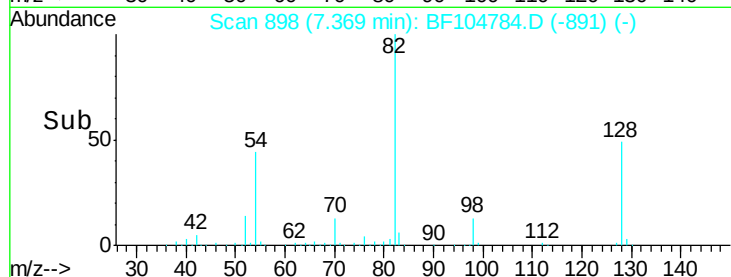
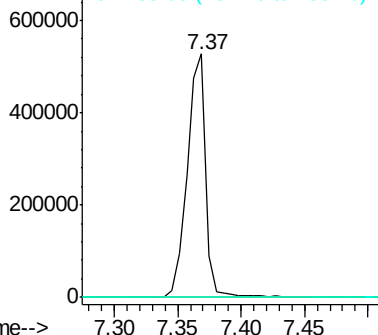
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

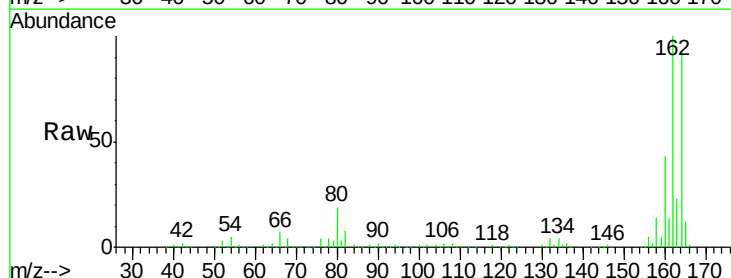
Tgt Ion:164 Resp: 205229

Ion Ratio Lower Upper

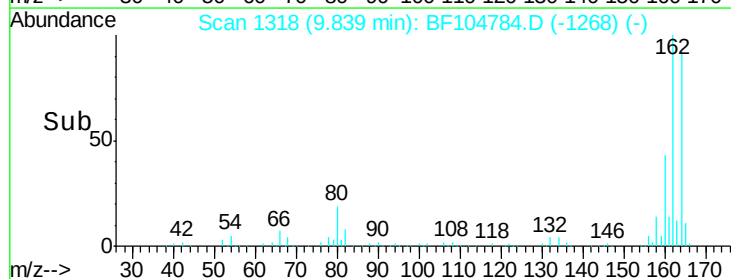
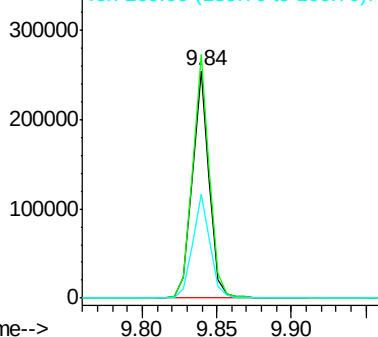
164 100

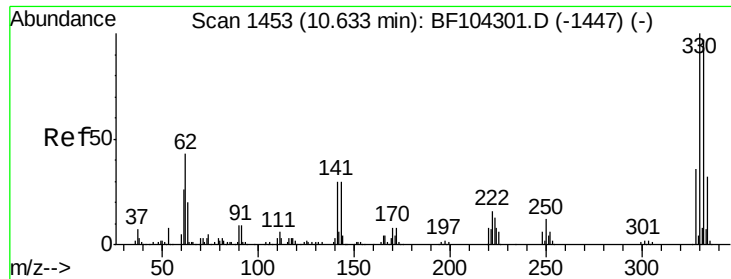
162 107.1 86.1 129.1

160 45.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

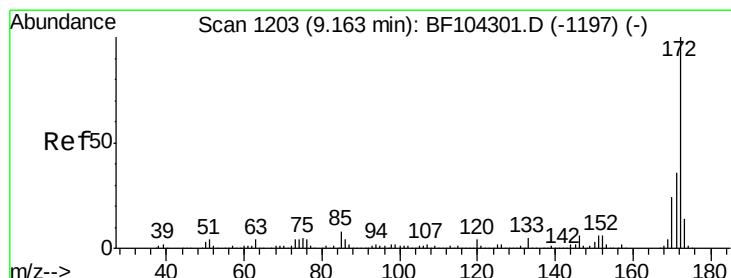
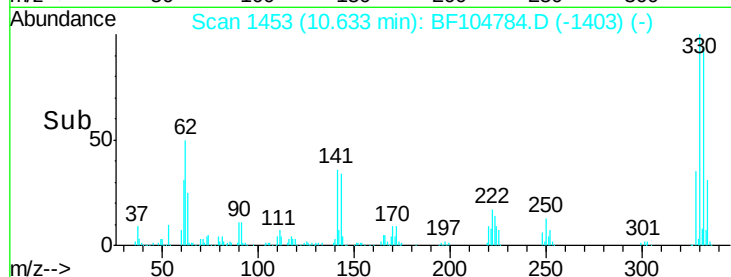
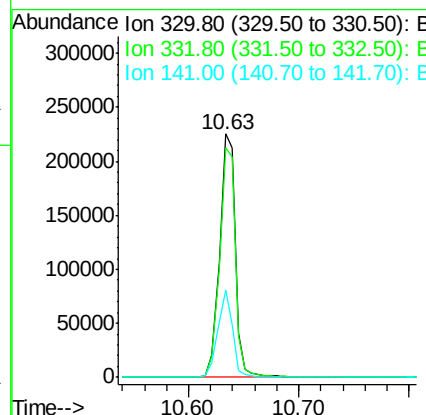
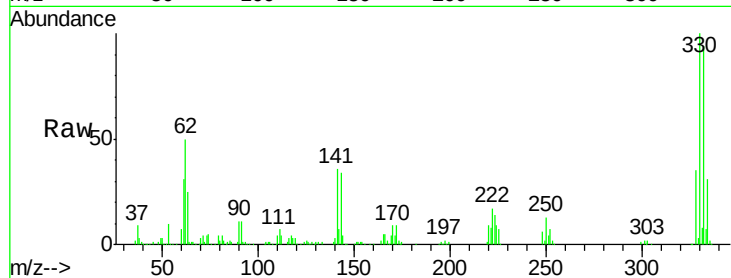




#41
 2,4,6-Tribromophenol
 Concen: 104.332 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104784.D
 Acq: 25 Apr 2018 13:11

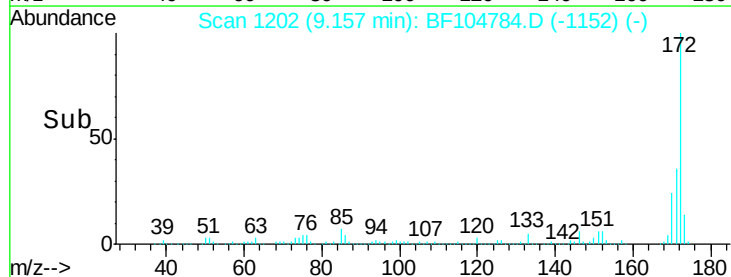
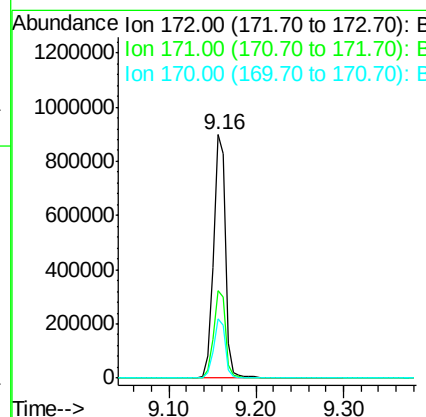
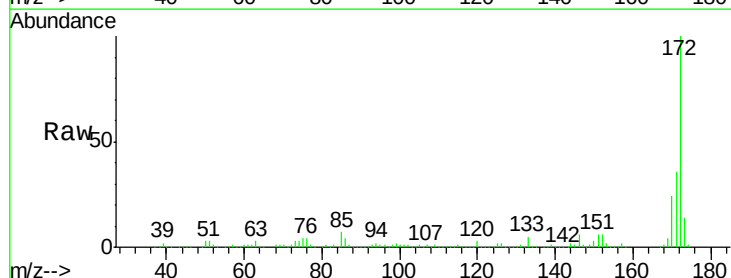
Instrument :
 BNA_F
 ClientSampleId :

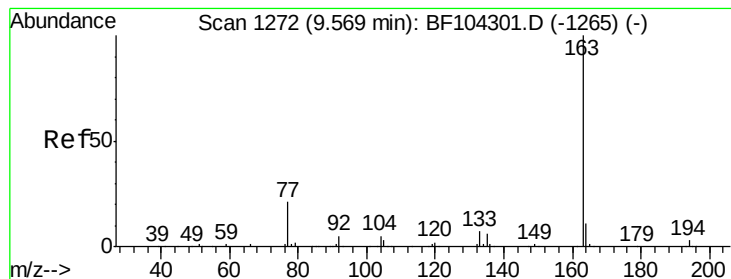
Tot Ion	330	332	141
Resp:	222113		
Ion Ratio	100	95.0	33.3
Lower		77.0	29.9
Upper		115.6	44.9



#44
 2-Fluorobiphenyl
 Concen: 65.999 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104784.D
 Acq: 25 Apr 2018 13:11

Tgt Ion	172	171	170
Resp:	857410		
Ion Ratio	100	36.1	24.2
Lower		29.7	19.6
Upper		44.5	29.4





#49

Dimethylphthalate

Concen: 5.539 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

Instrument :

BNA_F

ClientSampled :

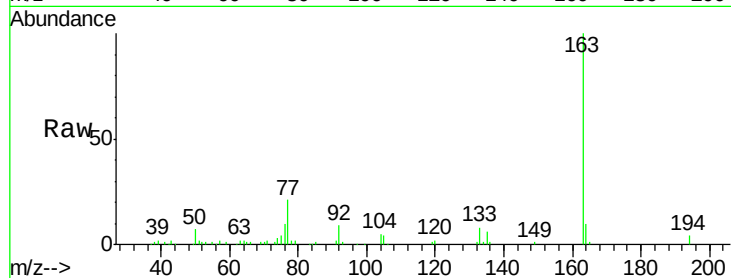
Tot Ion:163 Resp: 89644

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

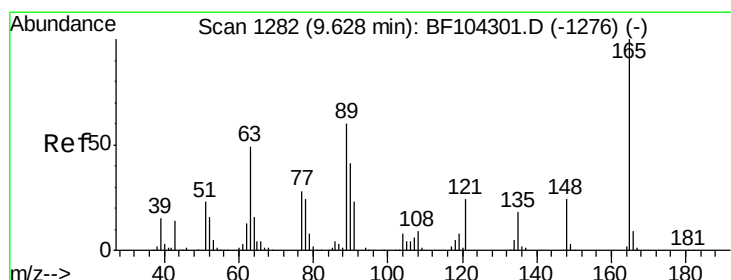
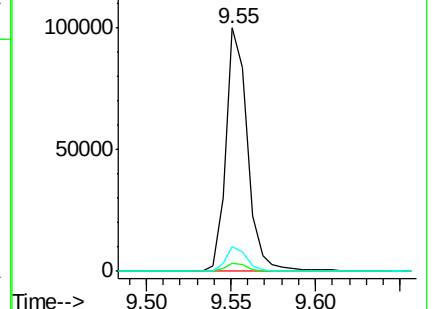
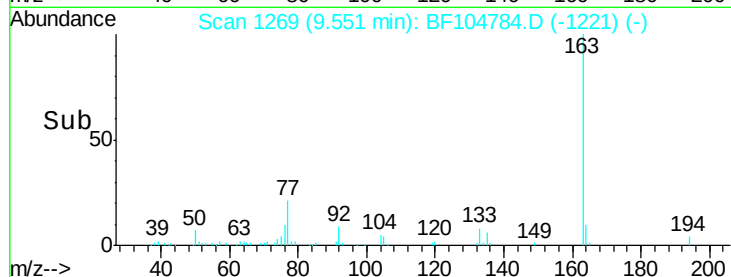
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.563 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

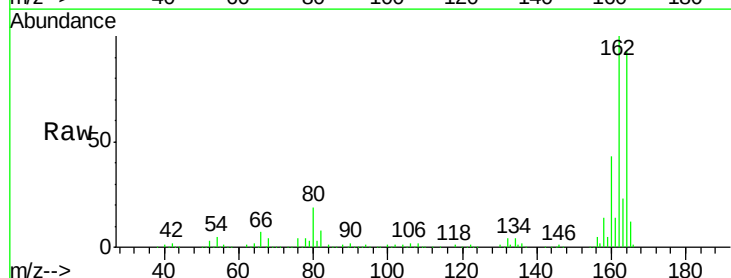
Tgt Ion:165 Resp: 25642

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

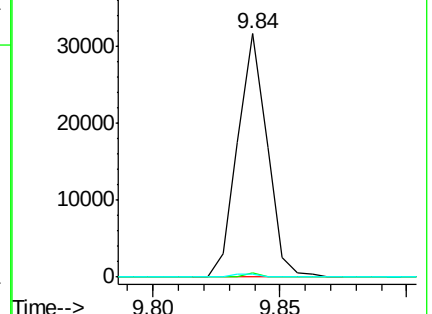
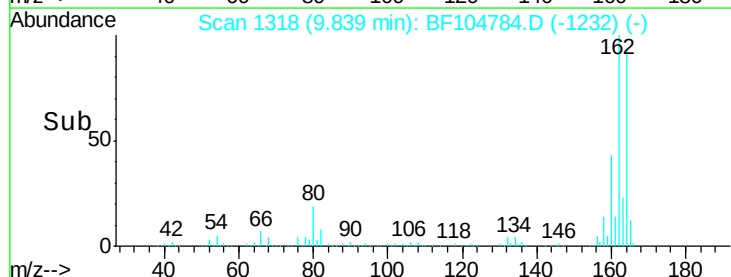
89 1.3 44.0 66.0#

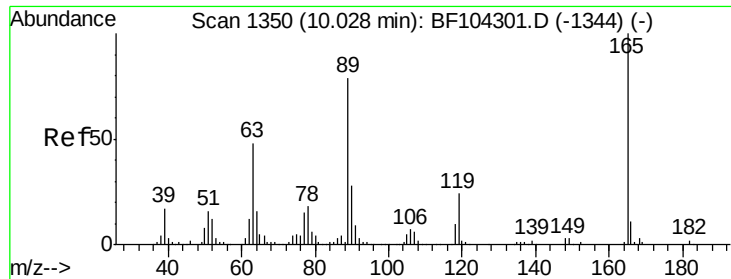


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

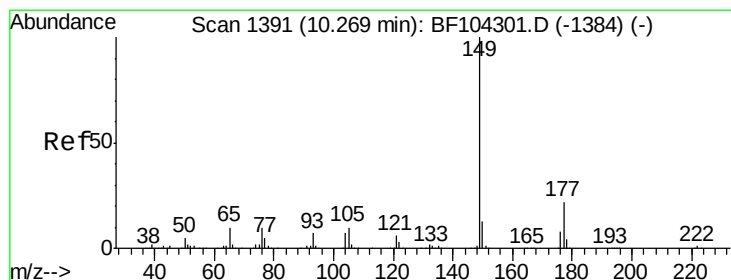
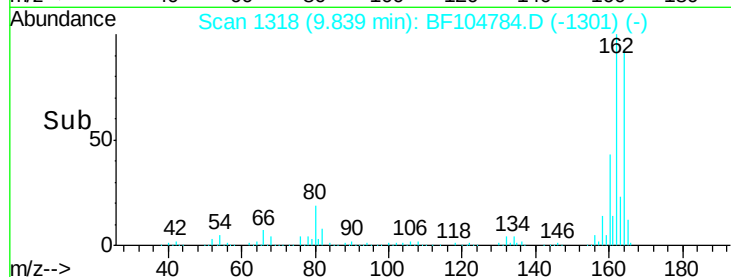
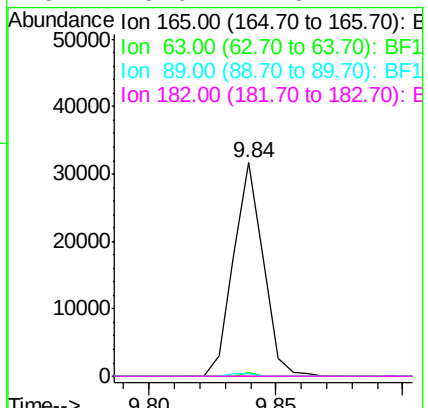
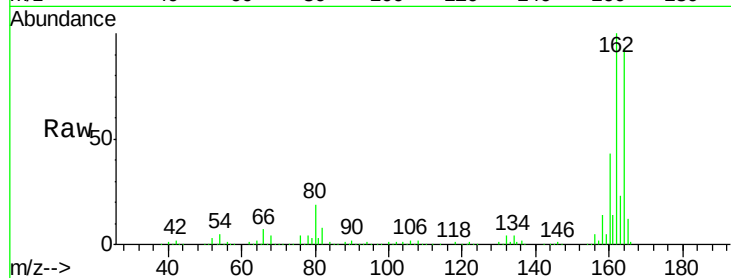




#56
2,4-Dinitrotoluene
Concen: 6.528 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104784.D
Acq: 25 Apr 2018 13:11

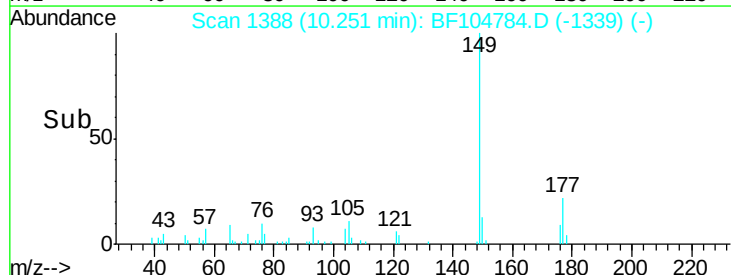
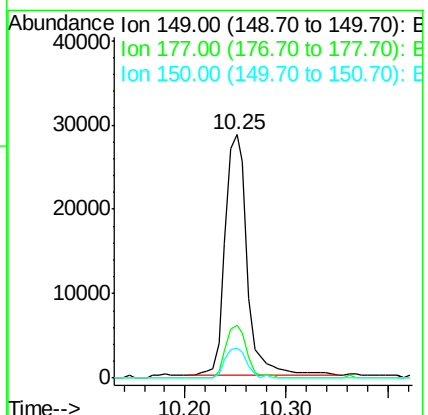
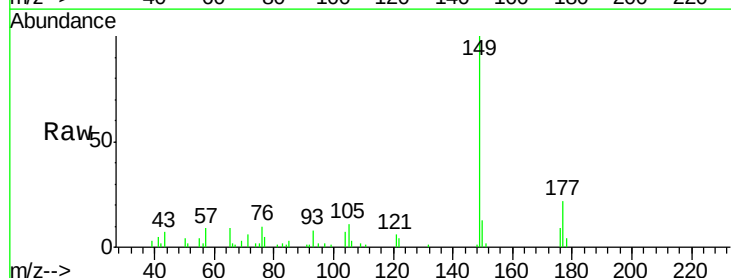
Instrument :
BNA_F
ClientSampled :

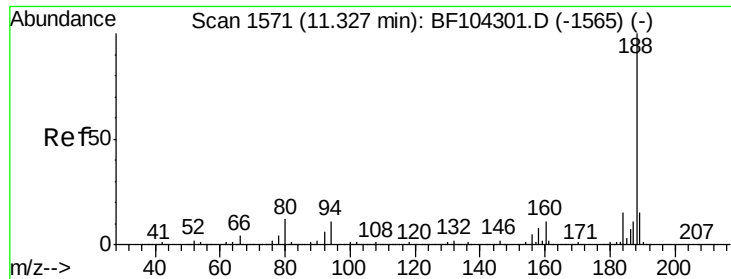
Tot Ion:165 Resp: 25642
Ion Ratio Lower Upper
165 100
63 1.9 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



#59
Diethylphthalate
Concen: 2.699 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF104784.D
Acq: 25 Apr 2018 13:11

Tgt Ion:149 Resp: 43504
Ion Ratio Lower Upper
149 100
177 21.7 16.1 24.1
150 12.5 10.1 15.1

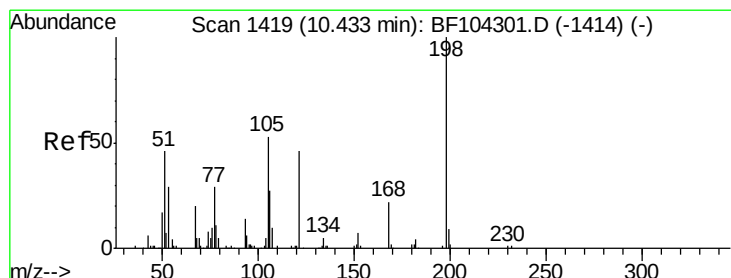
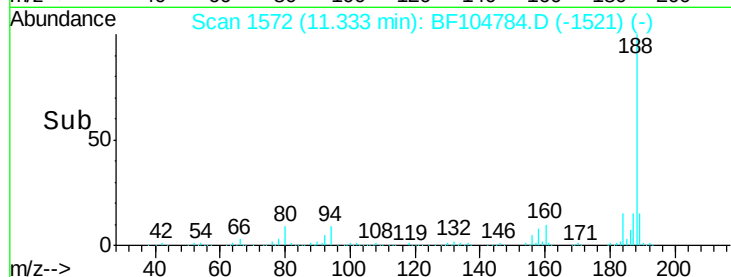
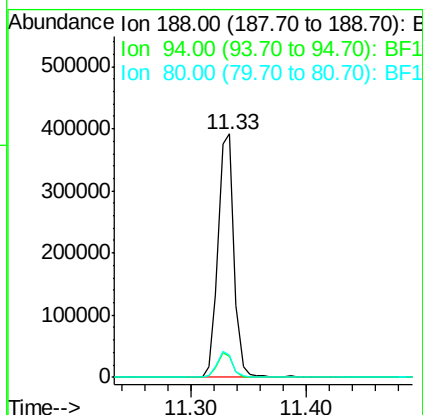
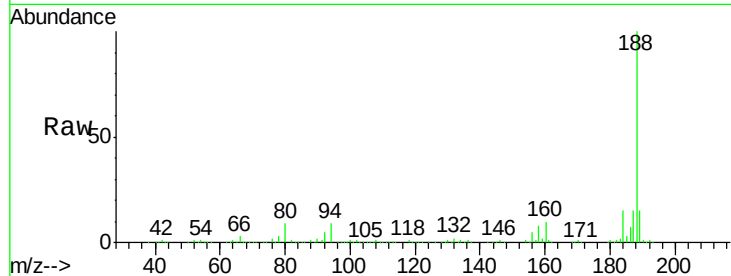




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104784.D
 Acq: 25 Apr 2018 13:11

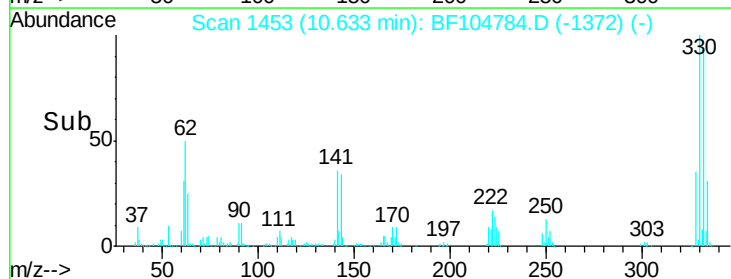
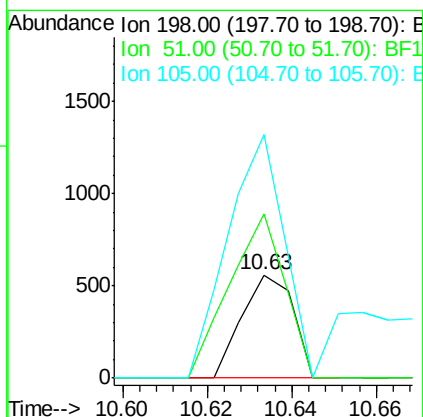
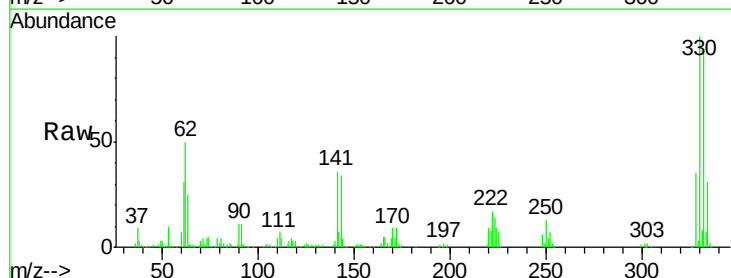
Instrument :
 BNA_F
 ClientSampled :

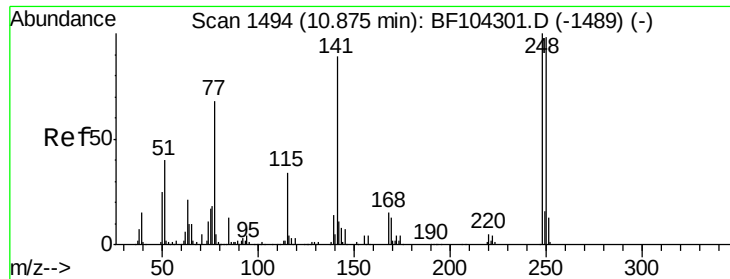
Tot Ion:188 Resp: 377535
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.564 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104784.D
 Acq: 25 Apr 2018 13:11

Tgt Ion:198 Resp: 471
 Ion Ratio Lower Upper
 198 100
 51 160.2 37.7 77.7#
 105 236.7 36.3 76.3#

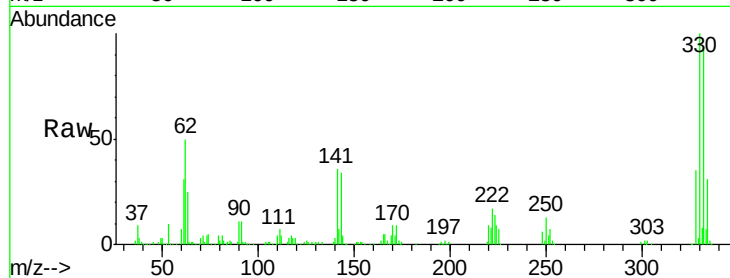




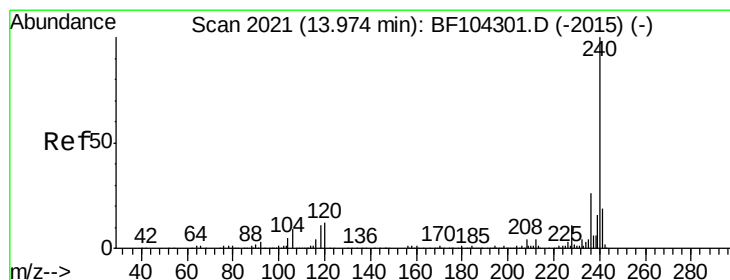
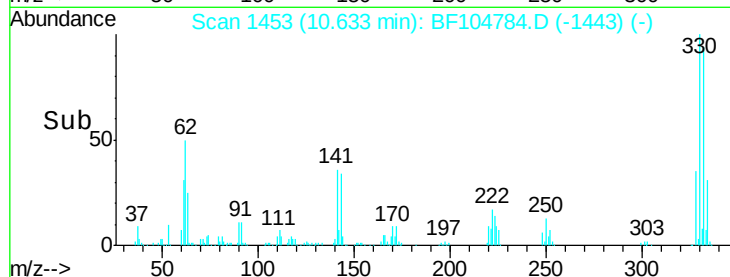
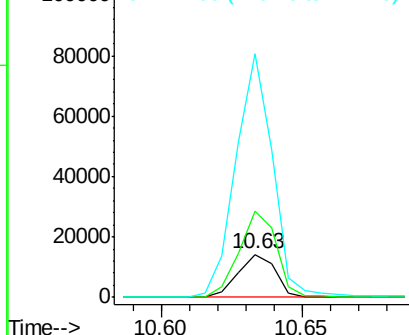
#66
 4-Bromophenyl-phenylether
 Concen: 3.285 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104784.D
 Acq: 25 Apr 2018 13:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13193
 Ion Ratio Lower Upper
 248 100
 250 199.5 76.9 115.3#
 141 563.7 74.4 111.6#

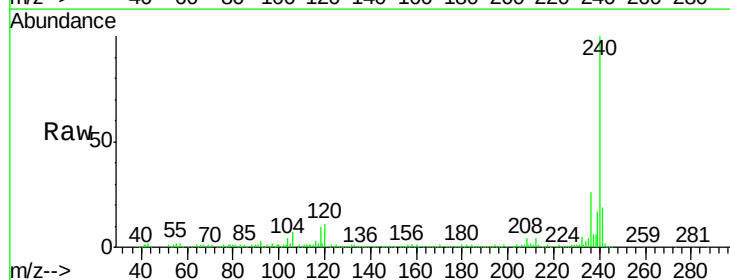


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

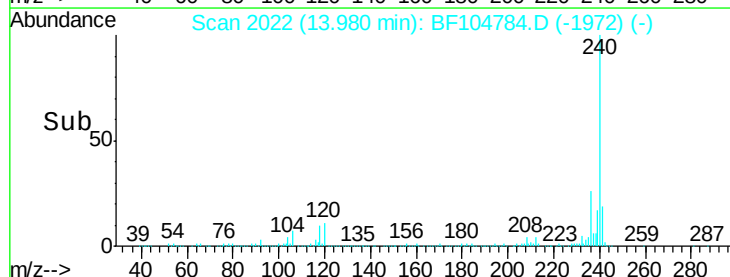
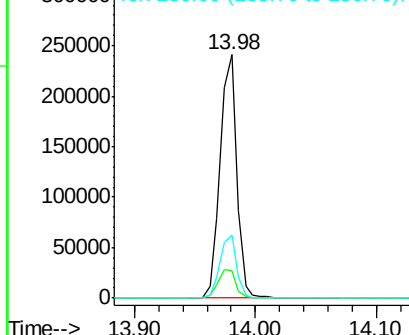


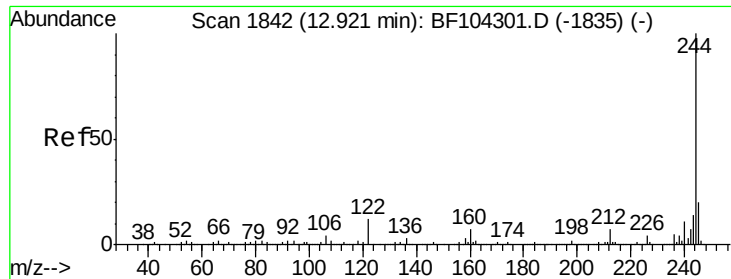
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104784.D
 Acq: 25 Apr 2018 13:11

Tgt Ion:240 Resp: 229449
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.5 14.3
 236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.272 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

Instrument :

BNA_F

ClientSampled :

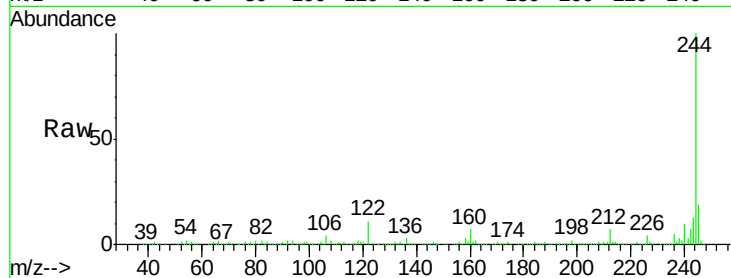
Tot Ion:244 Resp: 807882

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

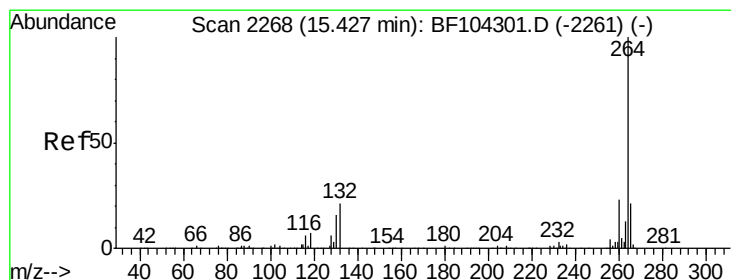
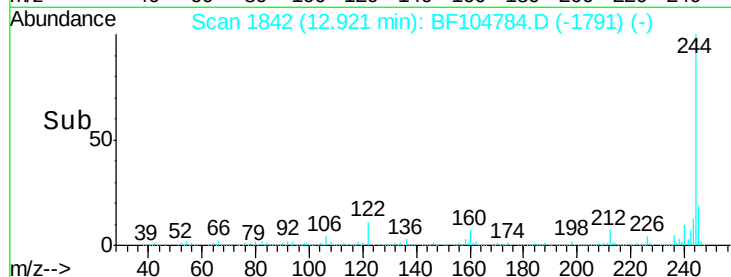
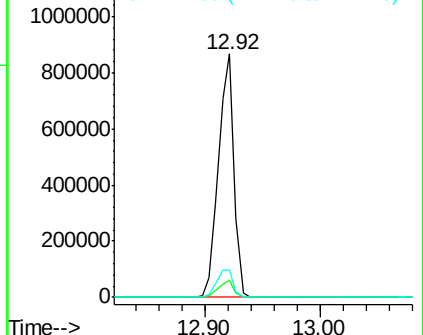
122 11.4 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104784.D

Acq: 25 Apr 2018 13:11

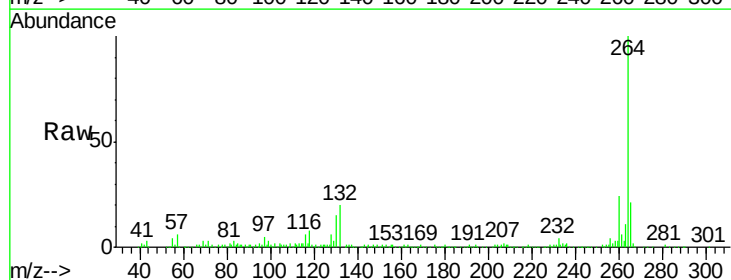
Tgt Ion:264 Resp: 218295

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

